

ClaimsProcess for situation-related deployment or activation of resources

1. ~~Process for situation-related deployment or activation of resources for completion of operating sequences, characterised by the fact that, from a series of resources available for executing specified operating sequences, one resource available in an event occurring or obtaining at a point in time is checked for its suitability and immediate or future availability for one of the operating sequences to be executed, that for that resource an operating sequence is selected based on functional criteria of the operating sequence, the resource is deployed and then activated for work or that the resource is selected for an operating sequence based on functional criteria of the operating sequence, deployed and then activated for work.~~
2. ~~Process in accordance with Claim <sup>21</sup> 1, characterised by the fact that, the event in question is triggered independently or manually according to a specified schedule from stored data or at certain times by means of exceeding limit values.~~
3. ~~Process in accordance with <sup>21</sup> Claims <sup>+</sup> 1 and 2, characterised by the fact that, the events are formed from data generated by technical facilities independently or through manual activation of input elements.~~

- a
- 27  
claim 1
4. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
after occurrence of an event, stored master data independently check resources  
for their relevance to the event and in the case of positive results, the resources  
are made available for deployment decision with event-related data.
- CQ
- 21  
claim 4
5. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that  
event data standardised and classified by master data as jobs for operating  
sequences are subject to optional planning which constantly from formal job  
criteria determines the ones which must be executed within a period of time  
selected.
- a
- claim 1
6. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
resources, when they are available, have been intended or set up to generate a  
corresponding message which is evaluated by simulation for generation of a  
deployment decision.
- a
- claim 1
7. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
the resources in each case generate a message at commencement of their availa-  
bility and at the end of one of the work processes which they have carried out  
and in the case of interruption information as well as of unscheduled inter-  
ruption and upon lapse of availability.
- a
- claim 1
8. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that.

through simulation, dynamic priorities of all optional jobs are constantly being determined for the period of time selected and taking into account current job and resource properties at the time of availability notice of the resources deployment decisions are made independently and the selected jobs are forwarded to such resources for execution.

9. Process in accordance with <sup>21</sup> ~~one or more of the previous claims~~,  
characterised by the fact that,  
by means of manual data input, implementation deadlines are deployed with  
allocation of resources.
10. Process in accordance with <sup>claim 1</sup> ~~one or more of the previous Claims~~,  
characterised by the fact that,  
the deployment decision for jobs to resources can be suspended by retraction of  
the necessary conditional data required for resource activation.
11. Process in accordance with <sup>21</sup> ~~one or more of the previous Claims~~,  
characterised by the fact that,  
a series of selectable release flags are allocated to jobs for resources, which are  
checked for their availability prior to forwarding the job to the resources, and  
that in the event that one or more release flags are lacking, conditional release  
occurs for a specified period of time, within which, upon the lapse of one or  
more of the missing criteria a deployment decision is not prevented for the job  
in question.
12. Process in accordance with <sup>claim 1</sup> ~~one or more of the previous Claims~~,  
characterised by the fact that,  
jobs for resources can be cancelled by input of corresponding data and their  
processing by means of simulation.

<sup>29</sup>  
*claim 1*

13. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
the resources are divided up into classes according to their properties for execu-  
ting operating sequences.

14. Process in accordance with Claim 13,  
characterised by the fact that,  
each resource has at least one main class relating to its particular suitability for  
the operating sequence in question and possibly also sub-classes relating to at  
least less suitability for an operating sequence than at least another resource,  
which is allocated to the main class for this operating sequence.

*claim 4*

15. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
the resources in each case execute a certain job at a certain time.

*claim 2*

16. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
the resources can be stationary or mobile.

*claim 1*

17. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
as criteria for optimisation, costs, meeting deadlines, work load and quality of  
the operating sequence are provided for, singly or jointly.

*claim 1*

18. Process in accordance with ~~one or more of the previous Claims~~,  
characterised by the fact that,  
job data fed back are compared with specified job data and that from discrepan-  
cies correction factors for optimising operating sequences are determined.

19. Process in accordance with <sup>30</sup> ~~one or more of the previous Claims,~~ *claim 1*  
characterised by the fact that,  
jobs manifest one or more interruption criteria which are taken into account  
when allocating priorities.
20. Process in accordance with ~~one or more of the previous Claims,~~ *claim 2*  
characterised by the fact that,  
an event is the availability of a resource or its notification as an available  
resource.

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Add B4

add C1

add D3